

FIG. 1



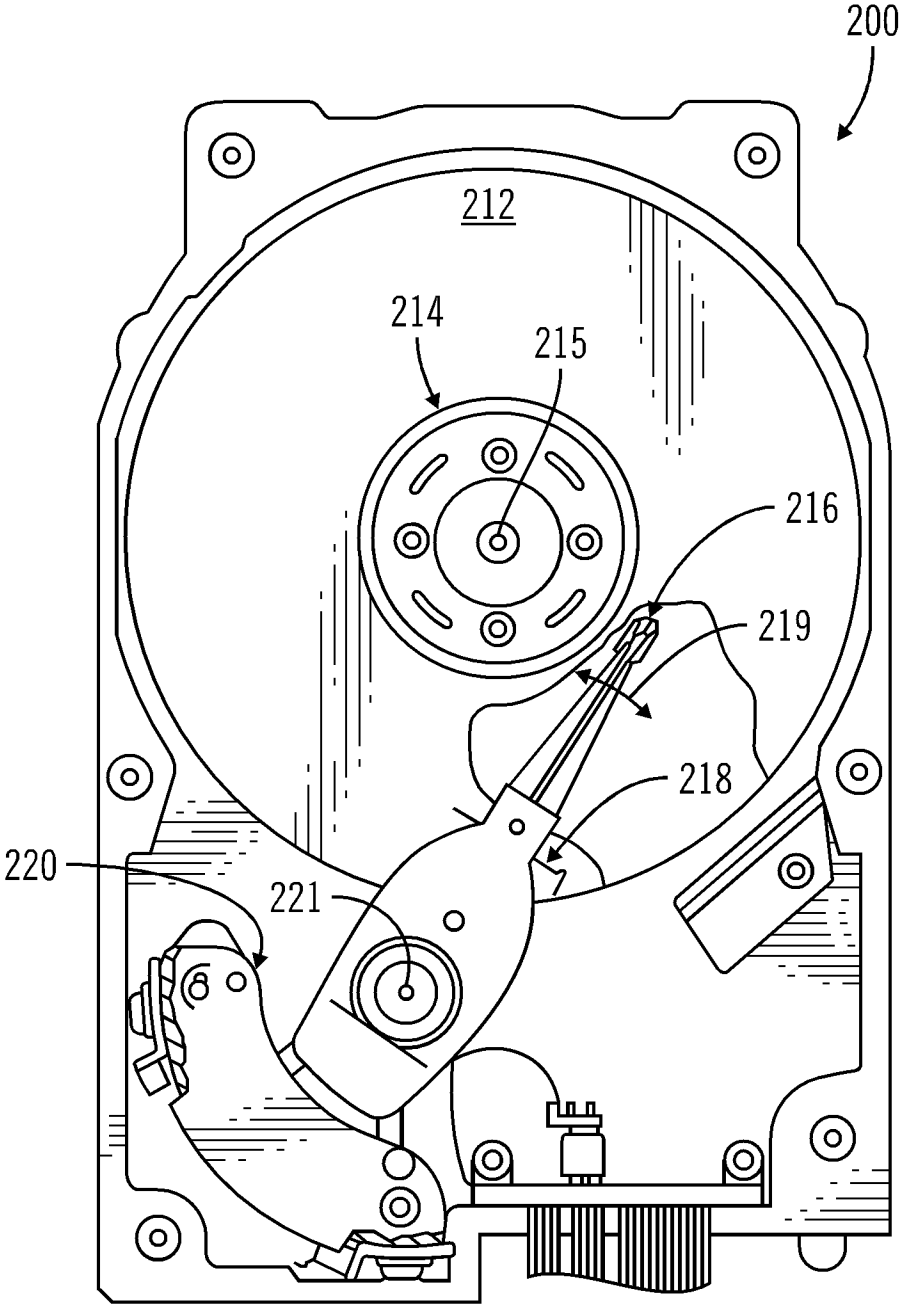


FIG. 2



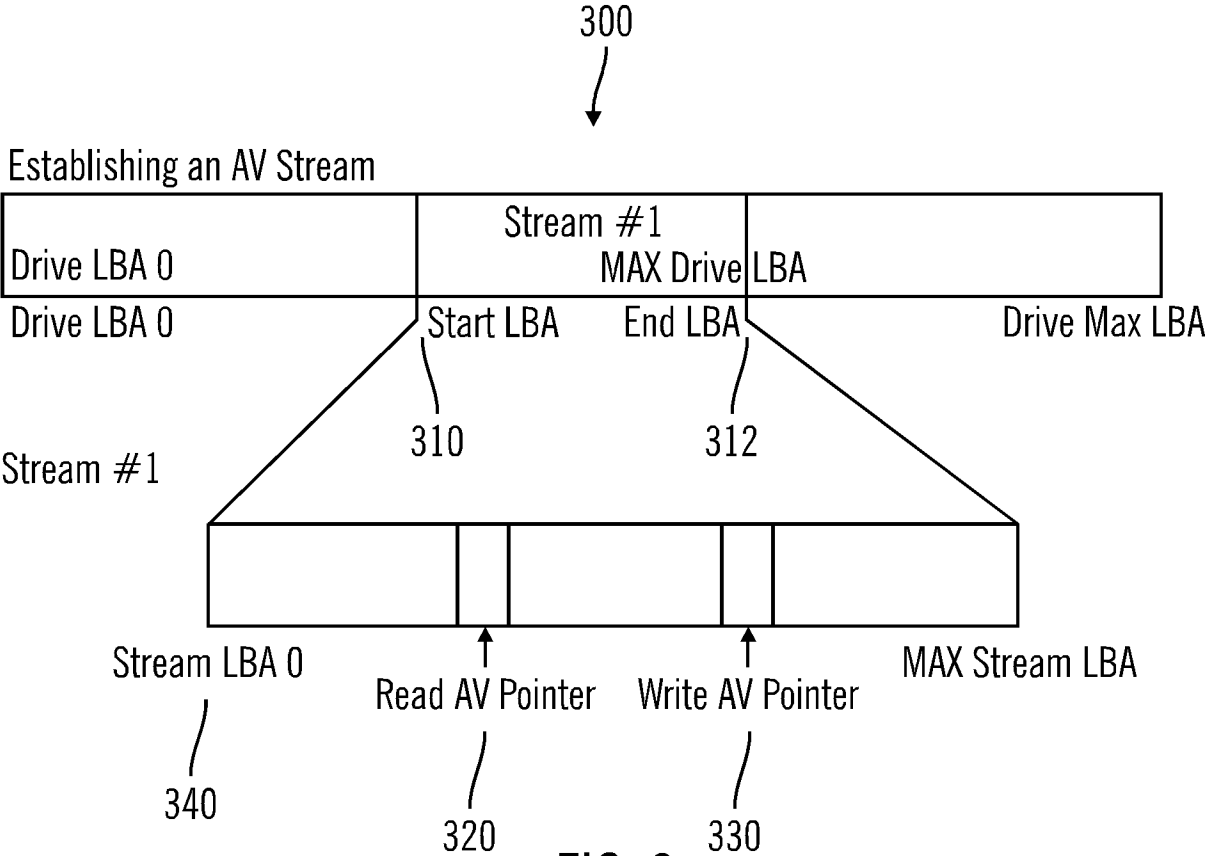


FIG. 3



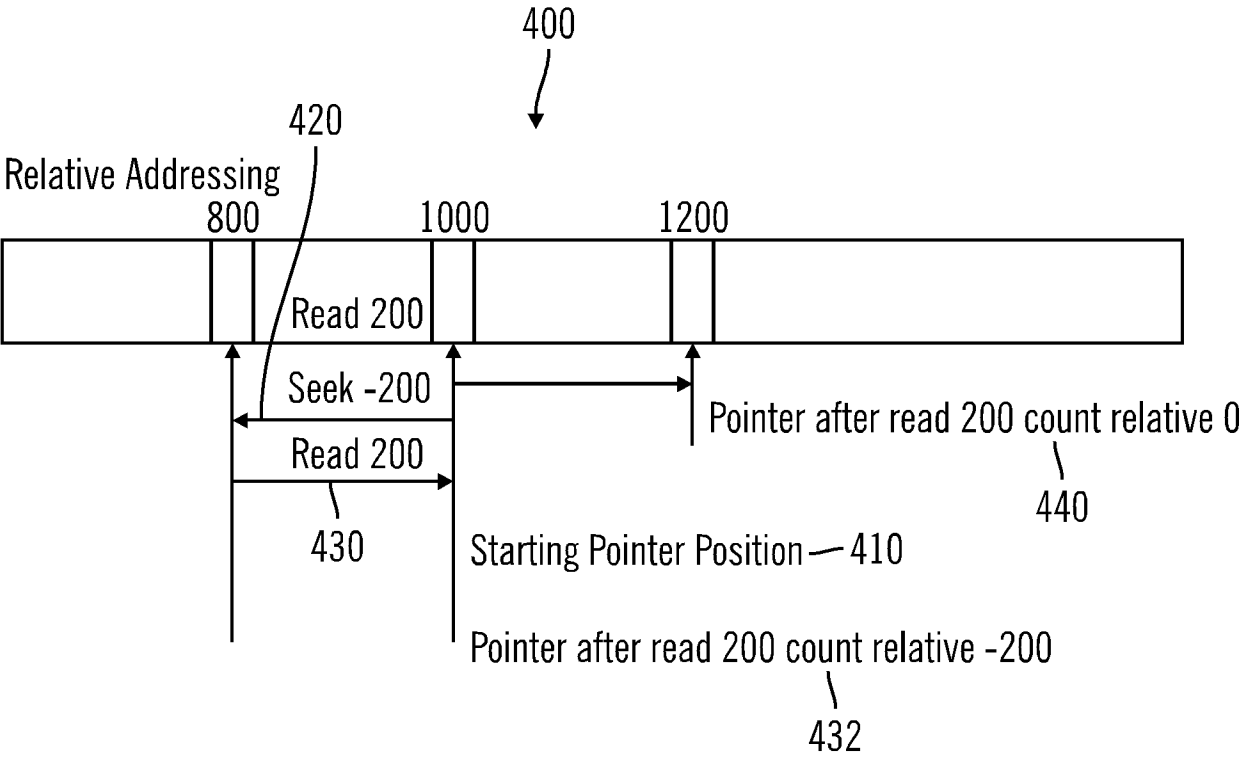


FIG. 4





	510	520	530
	Feature Register value	Feature Description	
	0Bh	Enable AV Stream mode	
	0Ch	Enable Read Continuous operation	
	0Dh	Enable Time-base ERP Limitation for Read	
	0Eh	Enable Time-base ERP Limitation for Write	
550	0Fh	Enable AV Write Cache	
540	8Bh	Disable AV Stream mode	
542	8Ch	Disable Read Continuous operation	
544	8Dh	Disable Time-base ERP Limitation for Read	
546	8Eh	Disable Time-base ERP Limitation for Write	
548	8Fh	Disable AV Write Cache	

FIG. 5





Register	7	6	5	4	3	2	1	0
Features	0Bh							
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Command	EFh							

FIG. 6





Register	7	6	5	4	3	2	1	0
Features	0Bh							
Sector Count	na							ER
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Command	EFh							

FIG. 7





800

810

Register	7	6	5	4	3	2	1	0
Features	0Dh							
Sector Count	na							
Sector Number	na							
Cylinder Low	Maximum time in milliseconds (lsb)							
Cylinder High	Maximum time in milliseconds (msb)							
Device/Head	obs	na	obs	DEV	na			
Command	EFh							

820

822

830

832

FIG. 8







	Register	7	6	5	4	3	2	1	0	
	Features	0Eh								912
914	Sector Count	na								916
926	Sector Number	na							ER	
	Cylinder Low	Maximum time in milliseconds (lsb)								
	Cylinder High	Maximum time in milliseconds (msb)								922
930	Device/Head	obs	na	obs	DEV	na				932
	Command	EFh								

FIG. 9





1010

1000

Register	7	6	5	4	3	2	1	0
Features	na							
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Command	FAh							

FIG. 10

1110

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 11

1000



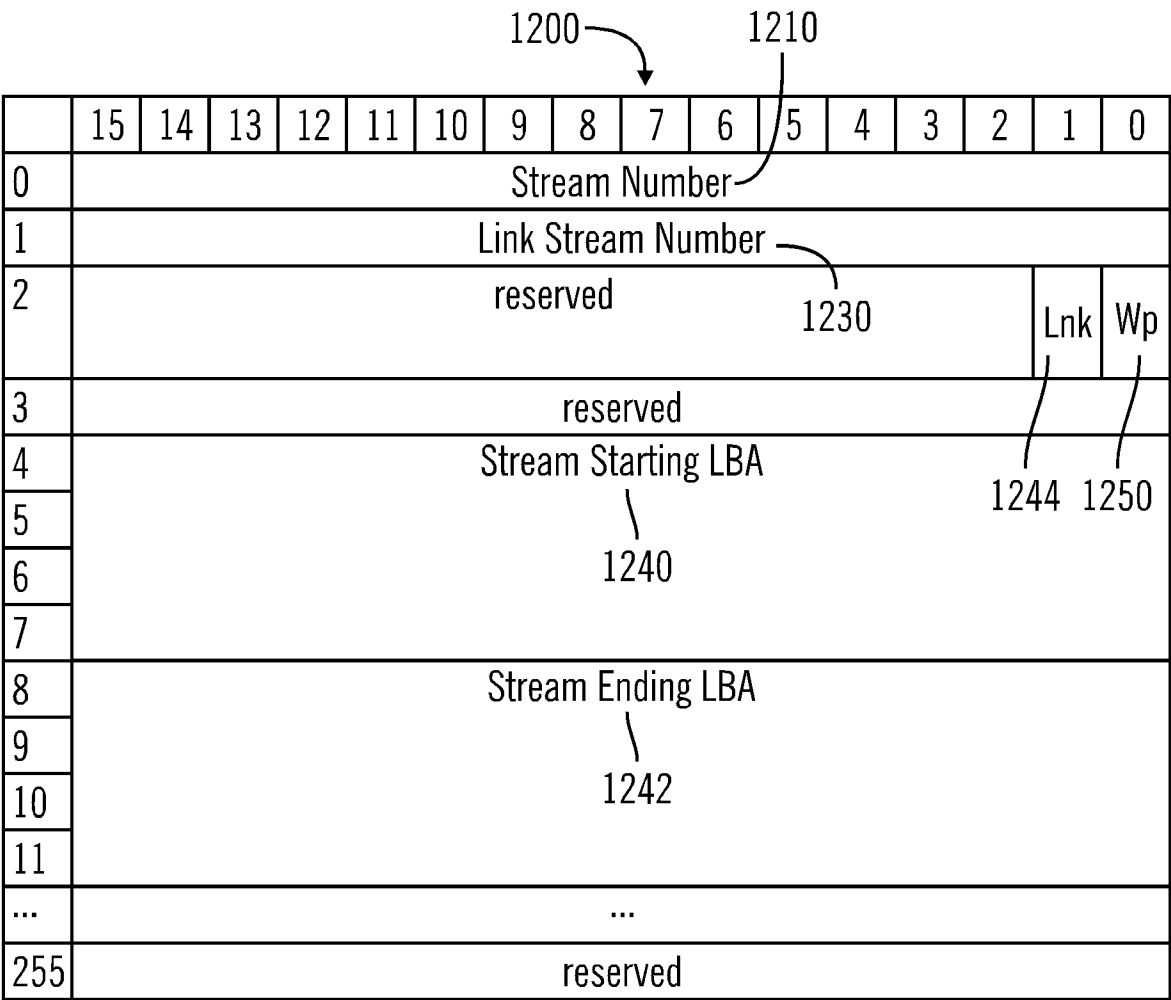


FIG. 12

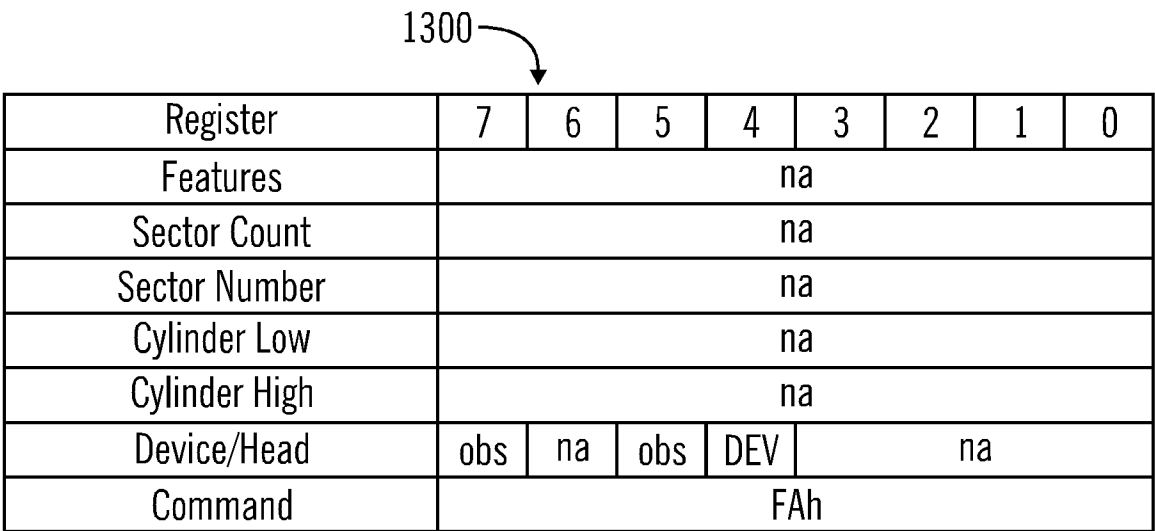


FIG. 13





12/17

1400

1410

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 14

1500

1520

Register	7	6	5	4	3	2	1	0
Features	AV Stream Number							
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Command	FCh							

FIG. 15

1510

1600

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 16





1700

1710

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 17

	Register	7	6	5	4	3	2	1	0
1824	Features	AV Stream Number							
	Sector Count	Function Code							
	Sector Number	LBA							
	Cylinder Low	LBA							
	Cylinder High	LBA							
	Device/Head	obs	LB A	obs	DEV	LBA			
	Command	C3h							

FIG. 18

1900

1920

Value in Sector Count	Action
0	Set the Read AV Pointer
1	Set the Write AV Pointer
2	Return the Read AV Pointer
3	Return the Write AV Pointer
4-255	Reserved

1910

1908

FIG. 19





2000 → 14/17

Register	7	6	5	4	3	2	1	0
Error	Stream Number							
Sector Count	Function Code							
Sector Number	LBA							
Cylinder Low	LBA							
Cylinder High	LBA							
Device/Head	obs	LBA	obs	DEV	LBA			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 20

2100 →

Register	7	6	5	4	3	2	1	0
Error	na	na	na	na	na	ABRT	na	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 21

2200 →

Register	7	6	5	4	3	2	1	0
Features	AV Stream Number							
Sector Count	Sector count							
Sector Number	Relative Address							
Cylinder Low	Relative Address							
Cylinder High	Relative Address							
Device/Head	obs	LB A	obs	DEV	Relative Address			
Command	CEh							

2230 FIG. 22

2220

2240

2210





2300 → 15/17

Register	7	6	5	4	3	2	1	0
Error	na							
Sector Count	na							
Sector Number	LBA							
Cylinder Low	LBA							
Cylinder High	LBA							
Device/Head	obs	na	obs	DEV	LBA			
Status	BSY	DRDY	DF	na	DRQ	na	PP	ERR

2400 → FIG. 23 2310

Register	7	6	5	4	3	2	1	0
Error	ICRC	WP	MC	IDNF	MCR	ABRT	NM	na
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

2500 → FIG. 24

Register	7	6	5	4	3	2	1	0	
Features	AV Stream Number								2520
Sector Count	Sector count								
Sector Number	Relative Address								
Cylinder Low	Relative Address								
Cylinder High	Relative Address								
Device/Head	obs	LB A	obs	DEV	Relative Address				2540
Command	CFh								2510

2530 → FIG. 25





2600

Register	7	6	5	4	3	2	1	0
Error	na							
Sector Count	na							
Sector Number	na							
Cylinder Low	na							
Cylinder High	na							
Device/Head	obs	na	obs	DEV	na			
Status	BSY	DRDY	DF	PP	DRQ	na	na	ERR

2610

FIG. 26

2700

2710

Register	7	6	5	4	3	2	1	0
Error	ICRC	WP	MC	IDNF	MCR	ABRT	NM	DFER
Sector Count	na							
Sector Number	LBA							
Cylinder Low	LBA							
Cylinder High	LBA							
Device/Head	obs	na	obs	DEV	LBA			
Status	BSY	DRDY	DF	na	DRQ	na	na	ERR

FIG. 27





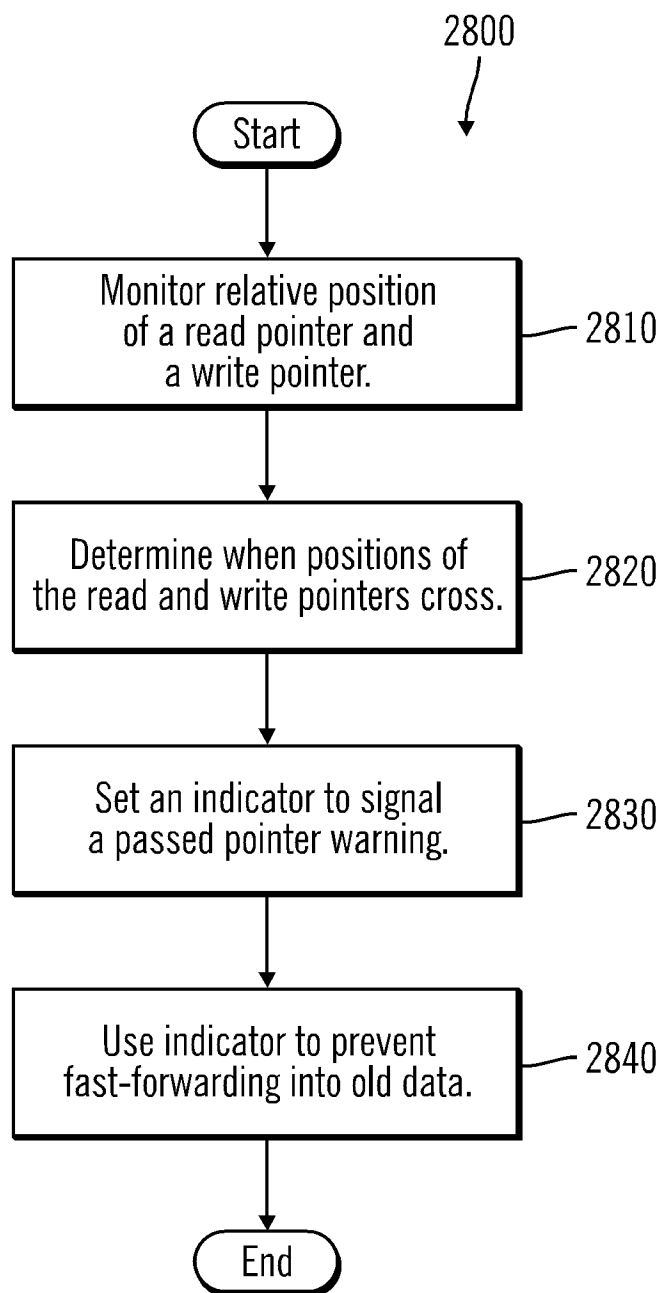


FIG. 28

